Nicole S Glaser

List of Publications by Year
in descending order

70 papers	4,577 citations	159573 30 h-index	102480 66 g-index
73 all docs	73 docs citations	73 times ranked	2864 citing authors

#	Article	IF	Citations
1	Risk Factors for Cerebral Edema in Children with Diabetic Ketoacidosis. New England Journal of Medicine, 2001, 344, 264-269.	27.0	727
2	ISPAD Clinical Practice Consensus Guidelines 2018: Diabetic ketoacidosis and the hyperglycemic hyperosmolar state. Pediatric Diabetes, 2018, 19, 155-177.	2.9	455
3	Diabetic ketoacidosis and hyperglycemic hyperosmolar state. Pediatric Diabetes, 2014, 15, 154-179.	2.9	295
4	European Society for Paediatric Endocrinology/Lawson Wilkins Pediatric Endocrine Society Consensus Statement on Diabetic Ketoacidosis in Children and Adolescents. Pediatrics, 2004, 113, e133-e140.	2.1	254
5	Mechanism of cerebral edema in children with diabetic ketoacidosis. Journal of Pediatrics, 2004, 145, 164-171.	1.8	240
6	Diabetic Ketoacidosis in Infants, Children, and Adolescents: A consensus statement from the American Diabetes Association. Diabetes Care, 2006, 29, 1150-1159.	8.6	181
7	Diabetic ketoacidosis. Nature Reviews Disease Primers, 2020, 6, 40.	30.5	165
8	Evidence of Increased Inflammation and Microcirculatory Abnormalities in Patients With Type 1 Diabetes and Their Role in Microvascular Complications. Diabetes, 2007, 56, 2790-2796.	0.6	158
9	Frequency of sub-clinical cerebral edema in children with diabetic ketoacidosis. Pediatric Diabetes, 2006, 7, 75-80.	2.9	155
10	Clinical Trial of Fluid Infusion Rates for Pediatric Diabetic Ketoacidosis. New England Journal of Medicine, 2018, 378, 2275-2287.	27.0	151
11	Factors associated with adverse outcomes in children with diabetic ketoacidosis-related cerebral edema. Journal of Pediatrics, 2002, 141, 793-797.	1.8	135
12	Predictors of Early Remission of Hyperthyroidism in Children1. Journal of Clinical Endocrinology and Metabolism, 1997, 82, 1719-1726.	3.6	113
13	Hyperglycemic Hyperosmolar Syndrome in Children: Pathophysiological Considerations and Suggested Guidelines for Treatment. Journal of Pediatrics, 2011, 158, 9-14.e2.	1.8	110
14	Diabetic Ketoacidosis and Memory Dysfunction in Children with TypeÂ1ÂDiabetes. Journal of Pediatrics, 2010, 156, 109-114.	1.8	109
15	Predicting the Likelihood of Remission in Children With Gravesâ€™ Disease: A Prospective, Multicenter Study. Pediatrics, 2008, 121, e481-e488.	2.1	108
16	Correlation of Clinical and Biochemical Findings with Diabetic Ketoacidosisâ€“Related Cerebral Edema in Children Using Magnetic Resonance Diffusion-Weighted Imaging. Journal of Pediatrics, 2008, 153, 541-546.e1.	1.8	87
17	Cerebral Blood Flow and Cerebral Edema in Rats With Diabetic Ketoacidosis. Diabetes, 2008, 57, 2588-2594.	0.6	77
18	Cerebral injury and cerebral edema in children with diabetic ketoacidosis: could cerebral ischemia and reperfusion injury be involved?. Pediatric Diabetes, 2009, 10, 534-541.	2.9	69

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19	Bumetanide Reduces Cerebral Edema Formation in Rats With Diabetic Ketoacidosis. Diabetes, 2005, 54, 510-516.	0.6	67
20	Pediatric diabetic ketoacidosis, fluid therapy, and cerebral injury: the design of a factorial randomized controlled trial. Pediatric Diabetes, 2013, 14, 435-446.	2.9	57
21	Variation in the Management of Pediatric Diabetic Ketoacidosis by Specialty Training. JAMA Pediatrics, 1997, 151, 1125.	3.0	45
22	Subclinical Cerebral Edema in Children With Diabetic Ketoacidosis Randomized to 2 Different Rehydration Protocols. Pediatrics, 2013, 131, e73-e80.	2.1	45
23	Effects of Hyperglycemia and Effects of Ketosis on Cerebral Perfusion, Cerebral Water Distribution, and Cerebral Metabolism. Diabetes, 2012, 61, 1831-1837.	0.6	44
24	Cognitive Function Following Diabetic Ketoacidosis in Children With New-Onset or Previously Diagnosed Type 1 Diabetes. Diabetes Care, 2020, 43, 2768-2775.	8.6	44
25	Frequency and Risk Factors of Acute Kidney Injury During Diabetic Ketoacidosis in Children and Association With Neurocognitive Outcomes. JAMA Network Open, 2020, 3, e2025481.	5.9	44
26	Cerebral Metabolic Alterations in Rats With Diabetic Ketoacidosis. Diabetes, 2010, 59, 702-709.	0.6	42
27	Detection of cerebral {beta}-hydroxy butyrate, acetoacetate, and lactate on proton MR spectroscopy in children with diabetic ketoacidosis. American Journal of Neuroradiology, 2005, 26, 1286-91.	2.4	41
28	Elevated serum amylase and lipase in pediatric diabetic ketoacidosis*. Pediatric Critical Care Medicine, 2008, 9, 418-422.	0.5	36
29	Prolonged QT Interval Corrected for Heart Rate During Diabetic Ketoacidosis in Children. JAMA Pediatrics, 2008, 162, 544.	3.0	35
30	Diabetic ketoacidosis in juvenile rats is associated with reactive gliosis and activation of microglia in the hippocampus. Pediatric Diabetes, 2016, 17, 127-139.	2.9	34
31	Benefits of an Insulin Dosage Calculation Device for Adolescents with Type 1 Diabetes Mellitus. Journal of Pediatric Endocrinology and Metabolism, 2004, 17, 1641-51.	0.9	31
32	Hydration status moderates the effects of drinking water on children's cognitive performance. Appetite, 2015, 95, 520-527.	3.7	28
33	Home Visits for Children and Adolescents with Uncontrolled Type 1 Diabetes. Diabetes Technology and Therapeutics, 2020, 22, 34-41.	4.4	27
34	Cerebral Hyperemia Measured with Near Infrared Spectroscopy during Treatment of Diabetic Ketoacidosis in Children. Journal of Pediatrics, 2013, 163, 1111-1116.	1.8	25
35	Home-based video visits for pediatric patients with poorly controlled type 1 diabetes. Journal of Telemedicine and Telecare, 2020, 26, 349-355.	2.7	25
36	Cerebral edema in children with diabetic ketoacidosis. Current Diabetes Reports, 2001, 1, 41-46.	4.2	20

#	Article	IF	Citations
37	Regional Brain Water Content and Distribution During Diabetic Ketoacidosis. Journal of Pediatrics, 2017, 180, 170-176.	1.8	20
38	Treatment with the KCa3.1 inhibitor TRAM-34 during diabetic ketoacidosis reduces inflammatory changes in the brain. Pediatric Diabetes, 2017, 18, 356-366.	2.9	18
39	Circulating matrix metalloproteinases in children with diabetic ketoacidosis. Pediatric Diabetes, 2017, 18, 95-102.	2.9	18
40	Pediatric Diabetic Ketoacidosis and Hyperglycemic Hyperosmolar State. Pediatric Clinics of North America, 2005, 52, 1611-1635.	1.8	17
41	Cognitive dysfunction associated with diabetic ketoacidosis in rats. Neuroscience Letters, 2012, 510, 110-114.	2.1	16
42	Patient Perspectives on Use of Video Telemedicine for Type 1 Diabetes Care in the United States during the COVID-19 Pandemic. Endocrines, 2021, 2, 449-456.	1.0	16
43	Association of Acute Kidney Injury During Diabetic Ketoacidosis With Risk of Microalbuminuria in Children With Type 1 Diabetes. JAMA Pediatrics, 2022, 176, 169.	6.2	16
44	Imaging of the brain in children with type I diabetes mellitus. Pediatric Radiology, 2007, 37, 863-869.	2.0	15
45	Acute and chronic neuroinflammation is triggered by diabetic ketoacidosis in a rat model. BMJ Open Diabetes Research and Care, 2020, 8, e001793.	2.8	15
46	The Evaluation and Management of Children With Diabetic Ketoacidosis in the Emergency Department. Pediatric Emergency Care, 2004, 20, 477-481.	0.9	14
47	Hypertension during Diabetic Ketoacidosis in Children. Journal of Pediatrics, 2020, 223, 156-163.e5.	1.8	14
48	Detecting and treating hyperlipidemia in children with type 1 diabetes mellitus: are standard guidelines applicable to this special population?*. Pediatric Diabetes, 2011, 12, 442-459.	2.9	13
49	Hyponatremia in Pediatric Diabetic Ketoacidosis: Reevaluating the Correction Factor for Hyperglycemia. JAMA Pediatrics, 2009, 163, 771-2.	3.0	12
50	Ventilation in pediatric diabetic ketoacidosis???Not too much, but not too little*. Pediatric Critical Care Medicine, 2005, 6, 489-490.	0.5	10
51	Brain cell swelling during hypocapnia increases with hyperglycemia or ketosis. Pediatric Diabetes, 2014, 15, 484-493.	2.9	10
52	New perspectives on the pathogenesis of cerebral edema complicating diabetic ketoacidosis in children. Pediatric Endocrinology Reviews, 2006, 3, 379-86.	1.2	10
53	Insulin administration for treatment of pediatric diabetic ketoacidosis: Are lower rates of infusion beneficial?*. Pediatric Critical Care Medicine, 2011, 12, 217-219.	0.5	8
54	Histological and cognitive alterations in adult diabetic rats following an episode of juvenile diabetic ketoacidosis: Evidence of permanent cerebral injury. Neuroscience Letters, 2017, 650, 161-167.	2.1	8

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55	Fluid treatment for children with diabetic ketoacidosis: How do the results of the pediatric emergency care applied research network Fluid Therapies Under Investigation in Diabetic Ketoacidosis (FLUID) Trial change our perspective?. Pediatric Diabetes, 2019, 20, 10-14.	2.9	8
56	Effects of Fluid Rehydration Strategy on Correction of Acidosis and Electrolyte Abnormalities in Children With Diabetic Ketoacidosis. Diabetes Care, 2021, 44, 2061-2068.	8.6	8
57	Levels of S100B in brain and blood of rats with diabetic ketoacidosis. Brain Research, 2015, 1624, 536-544.	2.2	5
58	Feasibility and Impact of Remote Glucose Monitoring Among Patients With Newly Diagnosed Type 1 Diabetes: Single-Center Pilot Study. JMIR Diabetes, 2022, 7, e33639.	1.9	5
59	Serum Sodium Concentration and Mental Status in Children With Diabetic Ketoacidosis. Pediatrics, 2021, 148, .	2.1	4
60	Weighing the Causal Evidence That Associates Short Sleep Duration With Obesity. Pediatrics, 2017, 140, e20172015.	2.1	3
61	Fluid Infusion Rates for Pediatric Diabetic Ketoacidosis. New England Journal of Medicine, 2018, 379, 1181-1184.	27.0	3
62	Acute and chronic neuroinflammation is triggered by diabetic ketoacidosis in a rat model. BMJ Open Diabetes Research and Care, 2020, 8, .	2.8	3
63	Enroller Experience and Parental Familiarity of Disease Influence Participation in a Pediatric Trial. Western Journal of Emergency Medicine, 2021, 22, 1176-1182.	1.1	2
64	Effects of TRAM-34 and minocycline on neuroinflammation caused by diabetic ketoacidosis in a rat model. BMJ Open Diabetes Research and Care, 2022, 10, e002777.	2.8	2
65	DKA-related cerebral edema and intravenous fluid therapy: Potential pitfalls of uncontrolled retrospective studies. Journal of Pediatrics, 2008, 152, 145.	1.8	1
66	Resolution of Gravesâ€™ disease after renal transplantation. Pediatric Transplantation, 2016, 20, 590-593.	1.0	1
67	Thoughts on the Association Between Sleep and Obesity. Pediatrics, 2020, 145, e20193676.	2.1	1
68	Diabetic ketoacidosis causes chronic elevation in renal C-C motif chemokine ligand 5. Endocrine, 2021, , 1.	2.3	1
69	Multimodal neuroimaging in pediatric type 1 diabetes: a pilot multisite feasibility study of acquisition quality, motion, and variability. , 2022, , .		1
70	Pediatric Diabetic Ketoacidosis and Hyperglycemic Hyperosmolar State. Seminars in Pediatric Neurology, 2005, 12, 187-198.	2.0	0